

Darnestown Road @ Shady Grove Road -- No. 500204

Category **Transportation**
 Agency **Public Works & Transportation**
 Planning Area **Rockville**
 Relocation Impact **None.**

Date Last Modified
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 Required Adequate Public Facility

January 2, 2004
 11-112(03 App)
 NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY03	Est. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	260	2	198	60	40	20	0	0	0	0	0
Land											
Site Improvements and Utilities	300	0	0	300	240	60	0	0	0	0	0
Construction	1,100	0	0	1,100	560	540	0	0	0	0	0
Other											
Total	1,660	2	198	1,460	840	620	0	0	0	0	0

FUNDING SCHEDULE (\$000)

EDAET	1,425	0	196	1,229	609	620	0	0	0	0	0
Contributions	235	2	2	231	231	0	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

Maintenance				0	0	0	0	0	0	0	0
Energy				4	0	0	1	1	1	1	0
Net Impact				4	0	0	1	1	1	1	0

DESCRIPTION

This project provides for modifications to the intersections of Darnestown Road at Shady Grove Road, Darnestown Road at Glen Mill Road, and a new intersection on Shady Grove Road with a new quadrant or spur roadway. Anticipated improvements include the construction of the new quadrant roadway in the northeast corner of the Shady Grove Road and Darnestown Road intersection with new and modified traffic signal installations that will result in the diversion of left turning traffic from the intersection of Darnestown Road at Shady Grove Road via the quadrant roadway.

Service Area

Rockville

Capacity

Current Level of Service (LOS) is "A." When development impacts are realized, the LOS will deteriorate to "F" in both the AM and PM if no improvements are made.

JUSTIFICATION

A study conducted by DPWT Traffic Engineering and Operations Section and Parking Operations Section and comprehensive consultant studies indicate that significant congestion at the intersection of Darnestown Road and Shady Grove Road will occur with the construction of approved development at adjacent and nearby locations. Physical modification to these intersections will mitigate the congestion and improve the level of service and operational problems.

Plans and Studies

Ongoing study to develop concept plans for intersections associated with Local Area Transportation Review (LATR) Improvements for "Pay-and-Go" approvals. A review of impacts to pedestrians, bicycles and ADA requirements (Americans with Disabilities Act of 1991) is being performed and addressed by this project. Traffic signals, streetlights, crosswalks, bus stops, ADA ramps, bikeways, and other pertinent issues are being considered in the design of the the project to ensure pedestrian safety.

Cost Change

Not applicable.

STATUS

Preliminary design stage

OTHER

To the extent that other developers in this area are responsible for some Adequate Public Facility Ordinance (APFO) improvements, they are contributing funding towards the project proportionate to the cost of their required APFO improvements. Additional developer contributions are anticipated and will be applied to the project as soon as better estimates are developed. Expedited Development Approval Excise Tax (EDAET) funding will be reduced to offset any additional developer contributions. Design and construction of the spur road will be coordinated with the Fallsgrove developer. Other in-kind developer contributions toward this project, as part of the City of Rockville's conditional plan approval, include dedication of the right-of-way for the spur road and rough-grading of the site where the roadway will be built. The rough-grading of the site is estimated to cost \$220,000. The Department of Public Works and Transportation is responsible for coordinating developer participation.

FISCAL NOTE

The cost estimates may change after preliminary design is completed.

APPROPRIATION AND EXPENDITURE DATA			COORDINATION	MAP
Date First Appropriation FY02 (\$000)			City of Rockville	See Map on Next Page
Initial Cost Estimate 1,660			Intersection and Spot Improvements	
First Cost Estimate			Maryland-National Capital Parks and Planning	
Current Scope FY05 1,660			Commission	
Last FY's Cost Estimate 1,660			Department of Permitting Services	
Present Cost Estimate 1,660			Department of Environmental Protection	
			Utilities	
			Developers	
Appropriation Request FY05 0				
Appropriation Request Est. FY06 0				
Supplemental				
Appropriation Request FY04 0				
Transfer 0				
Cumulative Appropriation 1,660				
Expenditures/				
Encumbrances 2				
Unencumbered Balance 1,658				
Partial Closeout Thru FY02 0				
New Partial Closeout FY03 0				
Total Partial Closeout 0				

**DARNESTOWN RD @
SHADY GROVE RD**